

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents
United States Patent and Trademark
Office
Box PCT
Washington, D.C.20231
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing (day/month/year) 09 October 2000 (09.10.00)	
International application No. PCT/US00/05302	Applicant's or agent's file reference CM2046/MH
International filing date (day/month/year) 29 February 2000 (29.02.00)	Priority date (day/month/year) 04 March 1999 (04.03.99)
Applicant MCGOWAN, Steven, Baldwin et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
07 September 2000 (07.09.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Charlotte ENGER Telephone No.: (41-22) 338.83.38
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REC'D 25 MAY 2001

WIPO

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14

Applicant's or agent's file reference CM2046/MH	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/05302	International filing date (day/month/year) 29/02/2000	Priority date (day/month/year) 04/03/1999
International Patent Classification (IPC) or national classification and IPC C11D17/00		
Applicant THE PROCTER & GAMBLE COMPANY et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 6 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☒ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand 07/09/2000	Date of completion of this report 22.05.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Ekholm, M Telephone No. +49 89 2399 8210 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/05302

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-70 as originally filed

Claims, No.:

1-23 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/05302

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-21, 23
	No:	Claims	22
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-23
Industrial applicability (IA)	Yes:	Claims	1-23
	No:	Claims	

2. Citations and explanations see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:
see separate sheet

V. Reasoned statement under Article 35(2) PCT (N, IS, IA)

5.1 Reference is made to the following document:

D1: WO 95 20030 A

5.2 Novelty (Article 33(2) PCT)

5.2.1 Claim 13 of document D1 (see page 33) relates to a co-granules which comprise 20-75 wt.% alkali metal silicate, carbonate, bicarbonate or sesquicarbonate and 1-9 wt.% polymer. The polymers are chosen from either polycarboxylic acid polymers or polypeptides (see claim 8). Co-granules according to document D1 have a final size of between 100 and 1500 microns (see claim 14); this implies that the polymers and builders used in the granules have to have a particle size smaller than 100 microns.

The subject-matter of claim 22 is not novel over the teachings of D1.

5.3 Inventive step (Article 33(3) PCT)

5.3.1 The problem the Applicant wishes to solve is to prepare multi-phase detergent tablets which have an improved robustness and product integrity together with excellent dissolution characteristics.

5.3.2 The proposed solution is to produce a cögranulate, which comprises a polymeric polycarboxylate and an inorganic carrier, which is pressed into detergent tablets. By using a cögranulate it was possible to produce tablets with a high tensile strength even when using a lower compaction force.

5.3.3 The closest prior art is document D1 since it relates to detergent tablets which comprise cögranules. The problem discussed in D1 is how to produce tablets which have a good tensile strength and have good dissolution characteristics even when high amounts of builder salts are present in the composition (see D1

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/05302

page 5 line 17 to page 6 line 2). The proposed solution is to prepare co-granules having an average particle size of 100 to 1500 microns (see D1 page 13 lines 15-18) which comprise an inorganic salt and a salt of a di-, tri- or tetracarboxylic acid (see D1 page 6 lines 17-19). Co-granules according to D1 preferably also comprise further additives such as a polymeric compound (polycarboxylic acid polymers or polypeptides)(see D1 page 8 lines 18-22), an alkali metal tripolyphosphate, an alkali metal (bi)carbonate or sesquicarbonate, an organic phosphonate or an alkali metal sulphate (see D1 page 10 lines 24-33). Tablets prepared according to D1 preferably comprise 25-90 wt.% of the cogranulate material (see D1 page 24 lines 3-6).

It is shown in D1 that tablets which have the builder materials in cogranulates exhibit a higher tensile strength than tablets prepared by normal mixing and compacting of the powders (see D1 example 4 pages 27-29).

In the application the tablets are multi-layered which is not the case in D1. If the strength between the layers in the tablets is increased by simple addition of the cogranulates, then this is only a bonus effect and not considered to be inventive since it would be obvious to the man skilled in the art to try using cogranulates to improve the tablet strength. It is not considered that claims 1, 22, and 23 involve an inventive step.

However, if the specific combination of using polycarboxylates with the inorganic carrier give unexpected improved strength between the layers and if this is shown in comparative examples then the claims may involve an inventive step.

Should the Applicant in his reply state that in D1 it is necessary to include a di-, tri- or tetracarboxylic acid in the granulates, then he must supply some proof that the effect of the acid comes only when it is present in the granules and not when it is part of the rest of the tablet composition. The Applicant himself has used citric acid in all his examples but only as part of the powder composition and not as part of the cogranulates. If the tablet strength remains the same, with or without addition of citric acid into the composition then an inventive step may be acknowledged.

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/05302

5.3.4 Claims 2-14 are not inventive since they are only preferred embodiments and do not help to solve the problem, possibly they can further improve the tablets but optimization of a product does not involve an inventive step.

5.3.5 A method of producing granules or detergent tablets is well known by anyone working in the detergent field. Since the cogranulates themselves are not inventive then a process of producing said granulates or producing tablets using said granulates is also not considered to be inventive.

Claims 15-21 lack an inventive step.

VII. Certain defects in the international application (form or content)

7.1 Products which are trademarks are to be identified as such (see page 29 lines 18, 19, 24, 25, 26).

7.2 Cited patent documents are to be referred to by using their publication number (see page 34 lines 3, 18; page 35 line 29; page 36 line 13; page 37 lines 28, 36; page 39 line 11).

7.3 Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

VIII. Certain observations on the international application (clarity)

8.1 The term about found in claims 2, 5, 6, 9, 10, 12, 13, 17, 18, 19, 21, 22, and 23 renders them unclear (Article 6 PCT).

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

RECEIVED
JUL 25 2000

PCT Patent Division
International ITC

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

To:
THE PROCTER & GAMBLE COMPANY
Attn. REED, T David.
5299 Spring Grove Avenue
CINCINNATI, OHIO 45217-1087
UNITED STATES OF AMERICA

MC Brooks/NTC
KC: ECatty/NTC/Hic

No CL

Date of mailing
(day/month/year) 21/07/2000

Applicant's or agent's file reference

CM2046/MH

FOR FURTHER ACTION See paragraphs 1 and 4 below

International application No.

PCT/US 00/ 05302

International filing date
(day/month/year)

29/02/2000

Applicant

THE PROCTER & GAMBLE COMPANY et al.

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority

 European Patent Office, P.B. 5818 Patendaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Emmanuel Cherqui

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference CM2046/MH	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/ 05302	International filing date (day/month/year) 29/02/2000	(Earliest) Priority Date (day/month/year) 04/03/1999
Applicant THE PROCTER & GAMBLE COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/05302

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C11D17/00 C11D11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 95 20030 A (UNILEVER) 27 July 1995 (1995-07-27)	1-20
X	claims	21-23
Y	WO 98 55582 A (UNILEVER) 10 December 1998 (1998-12-10) page 22, last paragraph -page 23, paragraph 2; claims 1-13,17; examples	1-20
X	WO 93 25651 A (UNILEVER) 23 December 1993 (1993-12-23) claims; examples	22,23
A	DE 197 10 254 A (HENKEL KGAA) 17 September 1998 (1998-09-17) column 6, line 12 - line 60; claim 1	1-3
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

10 July 2000

Date of mailing of the international search report

21/07/2000

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Grittern, A

INTERNATIONAL SEARCH REPORT

Int'l Application No

PCT/US 00/05302

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	WO 00 04117 A (PROCTER & GAMBLE)) 27 January 2000 (2000-01-27) claims	1,11-15, 20
P,A	GB 2 339 793 A (PROCTER & GAMBLE) 9 February 2000 (2000-02-09) claims; examples	1,11-15, 20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/05302

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9520030 A	27-07-1995	AU 702040 B	11-02-1999
		AU 1575695 A	08-08-1995
		BR 9506561 A	28-10-1997
		CA 2180433 A	27-07-1995
		DE 69502701 D	02-07-1998
		DE 69502701 T	26-11-1998
		EP 0741776 A	13-11-1996
		ES 2118561 T	16-09-1998
		ZA 9500587 A	25-07-1996
WO 9855582 A	10-12-1998	AU 8110698 A	21-12-1998
		EP 0986634 A	22-03-2000
WO 9325651 A	23-12-1993	AU 4324693 A	04-01-1994
DE 19710254 A	17-09-1998	CN 1250474 T	12-04-2000
		DE 29723652 U	19-11-1998
		DE 29723653 U	19-11-1998
		DE 29723655 U	19-11-1998
		DE 29723656 U	19-11-1998
		WO 9840463 A	17-09-1998
		EP 0966518 A	29-12-1999
		PL 335445 A	25-04-2000
WO 0004117 A	27-01-2000	GB 2340840 A	01-03-2000
		AU 4964299 A	07-02-2000
		AU 4964399 A	07-02-2000
		AU 4964499 A	07-02-2000
		AU 4968699 A	07-02-2000
		AU 4978599 A	07-02-2000
		AU 5093599 A	07-02-2000
		AU 5093699 A	07-02-2000
		DE 29911484 U	24-02-2000
		DE 29911486 U	18-11-1999
		EP 0976819 A	02-02-2000
		EP 0979864 A	16-02-2000
		EP 0979865 A	16-02-2000
		EP 0979866 A	16-02-2000
		FR 2782089 A	11-02-2000
		FR 2782090 A	11-02-2000
		FR 2782091 A	11-02-2000
		FR 2782092 A	11-02-2000
		GB 2339790 A	09-02-2000
		GB 2339791 A	09-02-2000
		GB 2339792 A	09-02-2000
		GB 2339793 A	09-02-2000
		NL 1012583 C	25-01-2000
		NL 1012583 A	19-01-2000
		NL 1012584 C	25-01-2000
		NL 1012584 A	19-01-2000
		NL 1012585 C	25-01-2000
		NL 1012585 A	19-01-2000
		NL 1012586 C	25-01-2000
		NL 1012586 A	19-01-2000
		WO 0004123 A	27-01-2000
		WO 0004128 A	27-01-2000
		WO 0004124 A	27-01-2000
		WO 0004115 A	27-01-2000

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. Application No

PCT/US 00/05302

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0004117 A		WO 0004116 A	27-01-2000
		WO 0004129 A	27-01-2000
GB 2339793 A	09-02-2000	AU 4964299 A	07-02-2000
		AU 4964399 A	07-02-2000
		AU 4964499 A	07-02-2000
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